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active T-Mobile site  
 proposed monopole  
 exhausted collocations

diagrammatic

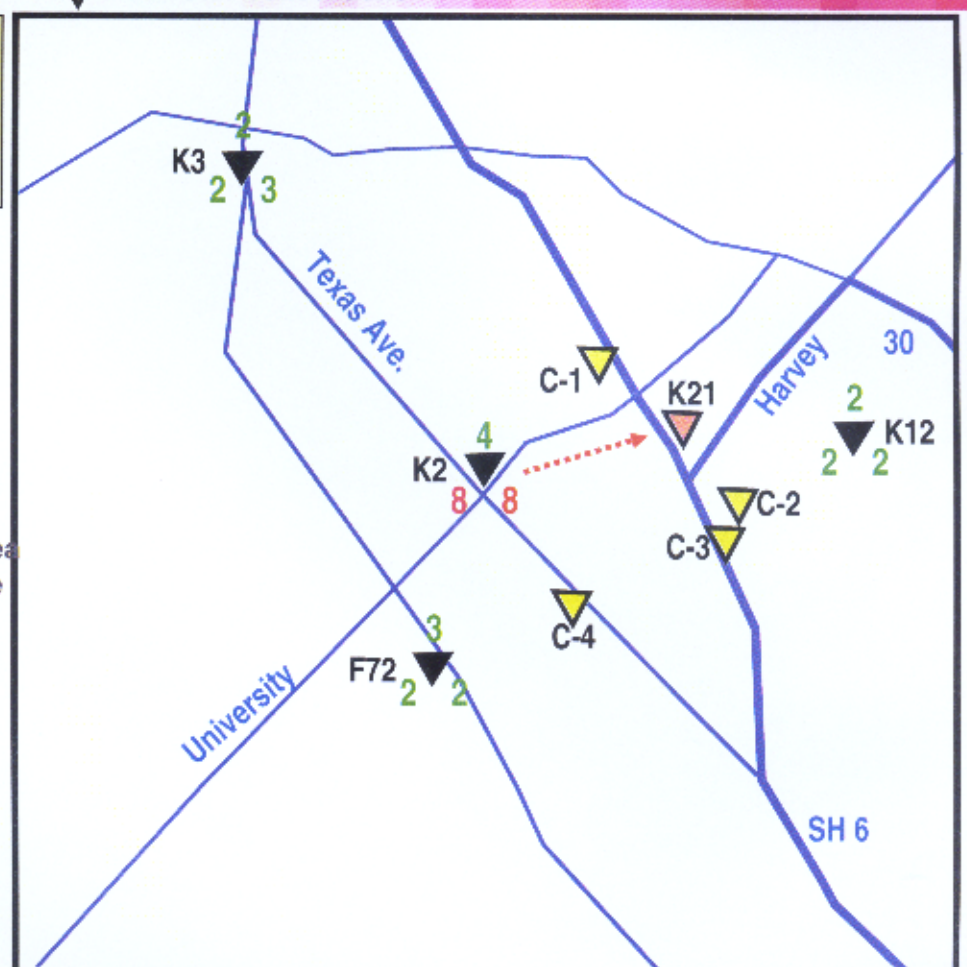
T-Mobile Site No.  
Antenna Height

Note: the diagram indicates the current radios installed per sector



- Each T-Mobile site has 3 sectors; Alpha, Beta, and Gamma
- Each sector can have a maximum of 8 radio's installed \*
- Without a new Cell Split site to relieve the CAPACITY issue, subscribers in the area will be denied entry onto the network until a channel is available
- The K2 Beta and Gamma sectors have the maximum radio's installed and are driving our request for a CAPACITY Cell Split site

\* Effective in June 2003 the maximum radio's is reduced to 6 due to a spectrum trade

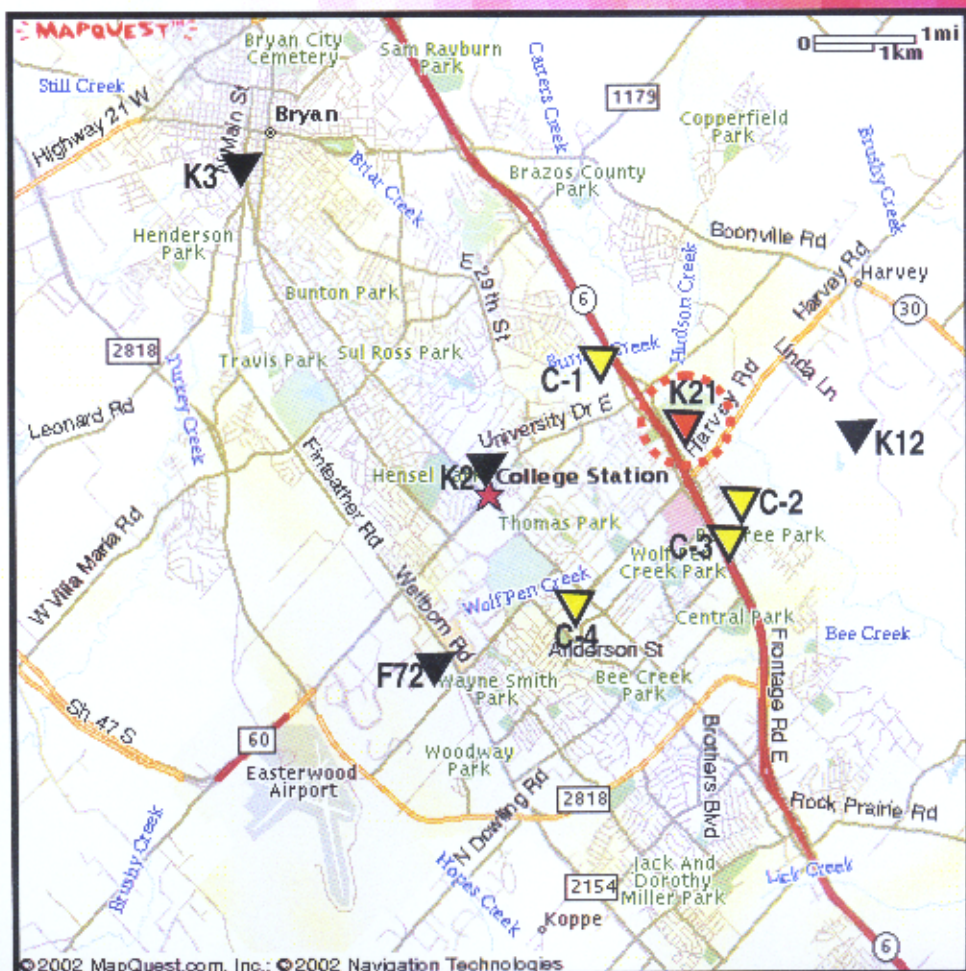


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- K3 is an existing 170 ft. tower owned by T-Mobile
- K2 is an existing 170 ft. tower owned by T-Mobile
- K12 is an existing 450 ft. tower owned by ATC
- F72 is an existing 100 ft. flagpole site owned by Sprint
- K21 is a proposed 120 ft. monopole by T-Mobile
- Sites C-1 through C-4 mark collocation alternatives that have been diligently exhausted (details on next slides)



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- C-1 is a 195 foot tower owned by SBA with three carriers and space available for collocation
- C-2 is a College Station owned 150 foot tower in a pumpstation
- C-3 is a Sprint owned 150 foot tower with three carriers and potential space available at 120 feet
- C-4 is a 150 foot College Station Water Tower

Two of the four existing collocation structures in the vicinity, C-2 and C-4, are owned by the City of College Station which doesn't allow collocation.

Candidates C-1 and C-3 will not work for RF design reasons as noted by the propagation maps on the following slides.







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